

GROUND-WATER LEVELS

WAKE COUNTY—Continued

354356078403504. County number, WK-279A; DENR Lake Wheeler Research Station MW-1D Upper Zone (Bedrock well).

LOCATION.--Lat 35°43'56", long 78°40'34", Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road on NCSU Research Farm. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Raleigh Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 75 ft, diameter 6 in., cased to 47 ft, open hole from 47 to 75 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

DATUM.--Land-surface datum is 338.62 ft above NGVD of 1929. Measuring point: Top of instrument shelter floor, 2.60 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Inflatable packer installed on July 16, 2001. Packer set at 75 ft below land surface. Well is upper zone of MW-1D (WK-279, 354356078403503).

PERIOD OF RECORD.--July 2002 to November 2003 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.05 ft below land-surface datum, Apr. 10, 2003; lowest water level recorded 6.02 ft below land-surface datum, Aug. 13, 29, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	3.83	---	---	---	---	---	---	---	---	---	---
2	3.87	3.86	---	---	---	---	---	---	---	---	---	---
3	---	3.89	---	---	---	---	---	---	---	---	---	---
4	3.86	3.91	---	---	---	---	---	---	---	---	---	---
5	3.89	3.93	---	---	---	---	---	---	---	---	---	---
6	3.92	3.92	---	---	---	---	---	---	---	---	---	---
7	3.95	3.95	---	---	---	---	---	---	---	---	---	---
8	3.94	3.99	---	---	---	---	---	---	---	---	---	---
9	3.90	4.01	---	---	---	---	---	---	---	---	---	---
10	3.89	---	---	---	---	---	---	---	---	---	---	---
11	3.92	---	---	---	---	---	---	---	---	---	---	---
12	3.92	---	---	---	---	---	---	---	---	---	---	---
13	3.97	---	---	---	---	---	---	---	---	---	---	---
14	3.90	---	---	---	---	---	---	---	---	---	---	---
15	3.95	---	---	---	---	---	---	---	---	---	---	---
16	4.02	---	---	---	---	---	---	---	---	---	---	---
17	3.99	---	---	---	---	---	---	---	---	---	---	---
18	3.99	---	---	---	---	---	---	---	---	---	---	---
19	4.01	---	---	---	---	---	---	---	---	---	---	---
20	4.03	---	---	---	---	---	---	---	---	---	---	---
21	3.96	---	---	---	---	---	---	---	---	---	---	---
22	3.99	---	---	---	---	---	---	---	---	---	---	---
23	4.06	---	---	---	---	---	---	---	---	---	---	---
24	4.13	---	---	---	---	---	---	---	---	---	---	---
25	4.12	---	---	---	---	---	---	---	---	---	---	---
26	4.05	---	---	---	---	---	---	---	---	---	---	---
27	4.00	---	---	---	---	---	---	---	---	---	---	---
28	4.02	---	---	---	---	---	---	---	---	---	---	---
29	3.67	---	---	---	---	---	---	---	---	---	---	---
30	3.73	---	---	---	---	---	---	---	---	---	---	---
31	3.79	---	---	---	---	---	---	---	---	---	---	---
WTR YR	2004	MEAN 3.94	HIGH 3.67	LOW 4.13								

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